PTO-1390 (Rev. 07-2005)
Approved for use through 03/31/2007. OMB 0651-0021
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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#### ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 64350 (70904) DESIGNATED/ELECTED OFFICE (DO/EO/US) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/JP2004/005786 22 April 2004 23 April 2003 TITLE OF INVENTION VISIBLE-LIGHT-RESPONSIVE THREE-DIMENSIONAL FINE CELL-STRUCTURED PHOTOCATALYTIC FILTER, ITS MANUFACTURING METHOD AND PURIFIER DEVICE APPLICANT(S) FOR DO/EO/US Eiji TANI et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). 5. x A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) is attached hereto (required only if not communicated by the International Bureau). b. х has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). C. 6. x An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). Х is attached hereto. b. has been previously submitted under 35 U.S.C. 154(d)(4). 7. X Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). b. х have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. C. have not been made and will not be made. 8. x An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. A substitute specification. A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter. 2 and 37 CFR 1.821 - 1.825. 18 A second copy of the published International Application under 35 U.S.C. 154(d)(4). A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

# JC20 Rec'd PETAPTO 2 1 OCT 2003

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U.S. APPLICATIO	NO/(if kng/	5	235	)	INTERNATIONAL APPL		TION NO. 04/005786	ATT	ORNEY'S DO		NUMBER 70904)
20. X Other items or information: PCT Request; PCT/IB/304; PCT/ISA/237; PCT/ISA/308; Copy of Int'l Publication WO 2004/094044 A1; PCT/ISA/210; and Return Receipt Postcard											
The fell		T			T						
The following fees have been submitted									LCULATIO		PTO USEONLY
21. x Basic national fee (37 CFR 1.492(a))											
22. X Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0  All other situations \$200									200.	00	
23. X Search fee (37 CFR 1.492(b))  If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0  Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority. \$100  International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB. \$400  All other situations \$500								\$ 500.00			
	TOTAL OF	21, 22	and 23 =					\$	1,000.	00	
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).  The fee is \$250 for each additional 50 sheets of paper or fraction thereof.											
Total Sheets	Extra Shee	ets	Number of each additional 50 or fraction thereof (round up to a whole number)								
83 - 100 =	- 100 = /50 =			x \$250.00			\$				
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).								\$			
CLAIMS NUMBER			BER FILED	ER FILED NUMBER EXTRA RATE							
Total claims		88	88 - 20 = 68			×	50.00	3,400.00			
		1 - 3 = 8		×	200.00	1,600.00					
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ 360.00				360.0	00		
TOTAL OF ABOVE CALCULATIONS =									6,360.0	00	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.											
SUBTOTAL =							\$	6,360.0	00		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).							\$				
TOTAL NATIONAL FEE =								\$ 6,360.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property \$											
TOTAL FEES ENCLOSED = \$ 6,400.00											
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a. A check in the amount of \$ to cover the abov	e fees is enclosed.							
b. X Please charge my Deposit Account No. 04-1105 in the amo								
A duplicate copy of this sheet is enclosed.  C. X The Commissioner is hereby authorized to charge any additional fees w	hich may be required, or credit any overpayment to Deposit							
Account No. 04-1105 . A duplicate copy of this sheet is enclosed.								
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038								
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed an granted to restore the International Application to pending status.								
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SEND ALL CORRESPONDENCE TO:	SIGMATURE							
David G. Conlin								
EDWARDS & ANGELL, LLP	<i>V</i>							
P.O. Box 55874 Boston, Massachusetts 02205	John B. Alexander, Ph.D.							
(617) 439-4444	NAME							
, ,								
CUSTOMER NUMBER: 21874	48,399							
	REGISTRATION NUMBER							
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Application No. (if known): Not Yet Assigned

Attorney Docket No.: 64350 (70904)

### Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV711317915US in an envelope addressed to:

> MS PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

October 21, 2005 Date

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Application Data Sheet (3 pages)

PCT Request; PCT/IB/304; PCT/ISA/237; PCT/ISA/308; Copy of Int'I Publication WO 2004/094044 A1; PCT/ISA/210; and Return Receipt

English language translation of the International application English language translation of the amendments to the claims

**Preliminary Amendment** 

Transmittal Letter to the United States Designated-Elected Office

IDS (Citation) by Applicant (7 References)

Information Disclosure Statement

Charge \$6,400.00 to deposit account 04-1105